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The Stealth distributed scheduler

P Krueger, R Chawla - Distributed Computing Systems, 1991., 11th International ..., 1991 - ieeexplore.ieee.org
... schedulers are common, no previous **operating system** has included ... can be 'stolen'
from the **low-priority level** if needed at the **high- priority level**. ...
Cited by 120 - Related articles - Web Search - All 3 versions

Monitor for priority level of **task** in information processing system

H Soga - US Patent 4,145,735, 1979 - Google Patents
... corresponding to a **task** with **low priority level** is connected ... and the abscissa shows
each **task** of priority ... possible to add on an **operating system** and interface ...
Cited by 17 - Related articles - Web Search - All 2 versions

Multiprocess computer and method for operating same having context switching in response to a ...

JH den Boef - US Patent 4,972,312, 1990 - Google Patents
... interrupt many interrupt of too **low priority level** had been ... which is useful in executing
complicated **tasks** in- that ... feature of the VAX-**operating system** is that ...
Cited by 13 - Related articles - Web Search - All 2 versions

A framework for automatic adaptation of tunable distributed applications- *bell-labs.com [PDF]

F Chang, V Karamcheti - Cluster Computing, 2001 - Springer
... employed for executing the parallel **tasks** of this ... share is lowered to a **low priority
level**, allow- ing ... swapped out automatically by the NT **operating system**. ...
Cited by 23 - Related articles - Web Search - PL Direct - All 12 versions

[PDF] *Evolution of the PikeOS microkernel

R Kaiser, S Wagner - First International Workshop on Microkernels for Embedded ... - ertos.nicta.com.au
... programs running under a guest **operating system** need not ... τ 0, and they are all given
the same, **low priority level**. ... for the recursive termination of **task** trees ...
Cited by 4 - Related articles - View as HTML - Web Search - All 5 versions

[PDF] *Transputer Implementation of Parallel Real-Time Systems

K Leppälä, J Miskolczi - Parallel Computing in Engineering and Engineering Education. ..., 1990 - citeseerx.ist.psu.edu
... used, and overheads associated with the **operating system**. ... oc- cam process structures
on conventional **task** objects, a ... performed at the **low priority level** with a ...

A revisitation of kernel synchronization schemes - ›psu.edu [PDF]

C Small, S Manley - Proceedings of the USENIX Annual Technical Conference, 1998 - usenix.org

... to the device interrupt and a **low-priority level** that processes ... The Linux **operating system** uses a scheme similar to ... complexity) or wake a kernel **task** to handle ...

Key message approach to optimize communication of parallel applications on clusters

M Zhu, W Cai, BS Lee - Cluster Computing, 2003 - Springer

... process scheduler provided by the **operating system** to speedup the ... se- quential processes) are in **low priority** (**level** 2). The ... it is assumed that each **task** in a ...

Multiprocessor system and process synchronization method therefor

T Matsumoto - US Patent 5,448,732, 1995 - Google Patents

... dispatched to one of the actual processors upon form **tasks** rapidly through ... real hard- ware resources are performed by an **operating system** (hereinafter referred ...

[PDF] ›Stealth: A liberal approach to distributed scheduling for networks of workstations

P Krueger, D Babbar - transfer - citeseerx.ist.psu.edu

... **level**. ... Pages do not normally move from the high to the **low-priority level**. ... occurring under the same **operating system** modified to include StealthLS. Page 20. 20 ...

[PS] ›Implementation of an IPC Rapid Prototyping System on a Transputer Network

J Cao, O De Vel, KL Wong - 1992 - cs.jcu.edu.au

... **level**, processes are time-sliced in execution in round-robin fashion with a time-slice of approximately one to two milliseconds. The **high priority level** has ...

[PDF] ›Value-based verification and validation guidelines

K Lee, M Phongpaibul, B Boehm - 2005 - csse.usc.edu

... Easily-deferrable, low-impact missing elements: straightforward error messages, help messages, GUI details doable via GUI builder, project **task** sequence ...

[PDF] ›Versatile control system for a very fast robot

U Kreglewska, K Sacha - Proc. 4th International Symposium on Methods and Models in ..., 1997 - ia.pw.edu.pl

... the need for a high resolu- tion **operating system** configuration. ... is implemented by a separate communication **task**, which runs at a **low priority level** (fig. ...

A hybrid analysis of an optimization approach for cluster applications

M Zhu, W Cai, BS Lee, X Wu - The Journal of Supercomputing, 2005 - Springer
... based process scheduler provided by the **operating system** to speedup ... sequential processes)
are in **low priority** (**level** 2). The ... it is assumed that each **task** in a ...
Cited by 1 - Related articles - Web Search - All 4 versions

Intelligent batching of distributed messages

YP Shan - US Patent 5,875,329, 1999 - Google Patents
... developer of the horrific **task** of having ... unit, which utilizes an **operating system**
which permits ... is provided with a relatively **low priority level** with respect ...
Cited by 1 - Related articles - Web Search - All 2 versions

Ultrasound imaging system

L Pelissier - US Patent App. 09/946,278, 2001 - Google Patents
Page 1. US 20020007119A1 (19) United States (12) Patent Application Publication
(io> Pub. NO.: US 2002/0007119 Al Pelissier (43) Pub. Date: Jan. ...
Cited by 3 - Related articles - Web Search - All 5 versions

QoS policies and architecture for cache/memory in CMP platforms- ›psu.edu [PDF]

R Iyer, L Zhao, F Guo, R Illikkal, S Makineni, D ... - 2007 - portal.acm.org
... is best utilized by multiple simultaneously executing **tasks** or applications ... policies
in the context of one **high-priority level** and one **low-priority level**. ...
Cited by 20 - Related articles - Web Search - BL Direct - All 7 versions

Monitor channel system in use with a recording apparatus

K Oi, T Hoshi - US Patent 5,142,675, 1992 - Google Patents
... The time-con- suming background processing is treated as a low-level processing
task, and the regular monitor processing, as a high-level processing **task**. ...
Cited by 4 - Related articles - Web Search - All 2 versions

Method of operating an industrial controller

A Amrhein, J Birzer, T Hennefelder, M Kiesel, R ... - US Patent App. 09/938,752, 2001 - Google Patents
... in a sequential program sequence on a relatively **low priority level** of a ... a "system
level high priority" lie the **tasks** of the **operating system** which ensure ...
Web Search - All 4 versions

Communication system with priority data compression

D Biederman - US Patent 7,319,667, 2008 - Google Patents
... Increase degree of compression used for **low priority level**. ... 61 is responsible for
such router **tasks** as routing ... of software including an **operating system** (eg, a ...
Related articles - Web Search - All 2 versions

Multiprocess computer and method for operating same.

B DEN, P It - 1986 - freepatentsonline.com

... an interrupt of too **low priority level** had been ... interrupt many kinds of **operating system** routines having a ... in executing complicated **tasks** involving critical ...

Web Search - All 3 versions

Access priority order setting apparatus and method

K Utsuki, K Takada - US Patent App. 11/512,094, 2006 - Google Patents

... **task** scheduling apparatus based on the **operating system** of a ... access request unit before its **task** is completed ... access request unit with a **low priority level** of a ...

Web Search - All 2 versions

Method and apparatus for implementing priority management of computer operations

R Chrabieh - US Patent App. 11/197,825, 2005 - Google Patents

... priority ceiling" in traditional real-time **operating system**. ... level of a standard **task** and below the ... a virtual priority function with very **high priority level**). ...

Web Search - All 2 versions

Debug system for debugging multi-**task** system

S Kimura, Y Yamamoto, M Ito - US Patent App. 11/220,090, 2005 - Google Patents

... **system** for managing the first **operating system** as a ... Processing **Task** 500 — **Task** 151 — **Task** 152 High 1st OS Ready Queue t I **Low Priority Level** 1 Priority ...

Web Search - All 2 versions

MODELING ANALYSIS OF KEY MESSAGE APPROACH ON CLUSTERS

ZHU Ming, CAI Wentong, LEE Bu-Sung, W Yang - Springer

... process scheduler provided by the **operating system** to speedup ... a critical path in the **task** graph and ... all other messages are in **low priority** (**level** 2). However ...

Related articles - Web Search

IO completion architecture for user-mode networking

KM Zuberi - US Patent App. 10/137,589, 2002 - Google Patents

... TD 340 is set to a **LOW priority level** and the ... If one or more application **tasks** TA 350a-c ... CPU cycles become available, the **operating system** context switches to ...

Web Search - All 4 versions

Method and system for expansion of recurring calendar events

KW Chan, DA Killerich - US Patent App. 11/135,816, 2005 - Google Patents

... PERSONAL COMPUTER Magnetic disk °Ptical drive drive **OPERATING SYSTEM** APPLICATION PROGRAMS OTHER ... meetings with others, manage contacts, and maintain **task** lists ...

Related articles - Web Search - All 4 versions

[PDF] *Realtime UNIX'UNOS' and its application.
K Sakurada, S Kuroiwa, K Iwaki, O Sekigawa - , 1992., 1992 - jfe-steel.co.jp
... is a realtime UNIX-type **operating system** developed by ... the configu- ration of
multi-**task** processing systems ... if they are assigned a **low priority level** where the ...
Related articles - Web Search - All 2 versions

[PDF] *Communication Optimization of Parallel Applications on Network of Workstations Using Key Messages
M Zhu, W Cai, LEE Bu-Sung - citeseerx.ist.psu.edu
... priority-based process scheduler provided by the **operating system** ... edge weight in
the **task** graph using ... sequential processes) are in **low priority** (**level** 2). The ...
Related articles - View as HTML - Web Search - All 5 versions

Flexible use of compute allocation in a multi-threaded compute engines
MB Rosenbluth, P Barry, PH Dormitzer, BA Burres - US Patent App. 11/026,386, 2004 - Google Patents
... wherein each thread performs a specific **task** or set of **tasks** in a ... general- purpose
processors, the compute engines do not employ an **operating system** to host ...
Web Search - All 2 versions

Information Processing Apparatus, Interrupt Process Control Method, and Computer Program
N Okino, A Togawa - US Patent App. 10/580,848, 2005 - Google Patents
... BACKGROUND ART [0002] In a multi **operating system** (OS) having a plurality of OS's
in a single ... [0004] Patent Document 1 discloses a **task** management technique of ...
Web Search - All 2 versions

Method and apparatus to manage packet fragmentation
J Christensen - US Patent 7,292,530, 2007 - Google Patents
... defined by the Internet Engineering **Task** Force (IETF ... memory 310 com- prises an **operating**
system 316, a ... information and should be assigned a **high priority level**. ...
Web Search - All 7 versions

Key messaging on SOME-bus clusters- *psu.edu [PDF]
M Zhu, C Katsinis, W Cai, BS Lee - Parallel Computing, 2004 - Elsevier
... based process scheduler provided by the **operating system**. ... communication cost, in
the **task** graph using ... sequential processes) are in **low priority** (**level** 2). The ...
Related articles - Web Search - All 4 versions

Image forming apparatus that executes image forming jobs having priority levels
M Kurahashi, K Isemura - US Patent 7,092,654, 2006 - Google Patents
Page 1. US007092654B2 (12) United States Patent Kurahashi et al. (io) Patent
No.: US 7,092,654 B2 (45) Date of Patent: Aug. 15, 2006 ...
Web Search - All 2 versions

Methods and apparatus for retaining packet order in systems utilizing multiple transmit queues

PL Connor, L Minnick - US Patent App. 09/963,284, 2001 - Google Patents

... 0006] In a Windows® **operating system** environment for ... wait," and is not free to perform other **tasks**. ... first queue group") and a "**low**" **priority level** queue group ...

Web Search - All 4 versions

Method and apparatus for minimizing spinlocks and retaining packet order in systems utilizing ...

L Minnick, PL Connor - US Patent App. 10/143,466, 2002 - Google Patents

... 0007] In a Windows® **operating system** environment for ... wait," and is not free to perform other **tasks**. ... first queue group") and a "**low**" **priority level** queue group ...

Web Search - All 4 versions

Image forming apparatus capable of executing image forming jobs having priority levels

M Kurahashi, K Isemura - US Patent App. 11/075,350, 2005 - Google Patents

Page 1. US 20050180771A1 (19) United States (12) Patent Application Publication (io> Pub. NO.: US 2005/0180771 AI Kurahashi et al. (43) Pub. Date: Aug. ...

Web Search - All 4 versions

Image sensing/playback apparatus, image data processing method, and data processing method

T Shintani - US Patent App. 11/204,535, 2005 - Google Patents

... If an instruction is given to perform the second **task** of the plurality of **tasks** while the first **task**, different from the second **task**, is performed to process ...

Web Search - All 2 versions

Reduction of cache miss rates using shared private caches

DA Luick - US Patent App. 10/670,715, 2003 - Google Patents

... Traditionally, parallel processing required multiple computer systems with the resources of each computer system dedicated to a specific **task** or allocated to ...

Web Search - All 2 versions

Control of processing order for received network packets

PL Connor - US Patent App. 09/891,574, 2001 - Google Patents

... 24 may be assigned to hold **low priority level** packets, queue 26 may be for medium priority level packets and queue 28 is to contain **high priority level** packets ...

Related articles - Web Search - All 4 versions

Task scheduling device

K Nishimura, K Owada, T Kuroda - US Patent App. 10/213,977, 2002 - Google Patents

... is lower than priority level obtained in S31, storelow priority level in **task** control information as original priority level, update **low priority level** to be ...

Web Search - All 2 versions

[PDF] *Nooks for NT

MZ Brodsky · 2005 · pdos.csai.mit.edu
... driver developers still discover and exploit aspects of the **operating system** that
they ... power management, serve to make driver development a rather tricky **task**. ...
Related articles - View as HTML - Web Search - All 2 versions

Dynamic application resource management

RM Perez, JH Lin · US Patent App. 10/650,099, 2003 · Google Patents
... that deal with these problems require hardware and monitoring by the radio **operating**
system. ... or more than one processor for performing the **tasks** described below ...
Web Search - All 2 versions

[PDF] *Improving Interactive System Performance Using TIPME

Y Endo · 2000 · citeseerx.ist.psu.edu
... can approximate the amount of CPU time consumed by the **task** and determine where
in the system, within the application and/or the **operating system**, the CPU time ...
Cited by 2 - Related articles - View as HTML - Web Search - Library Search - BL Direct - All 7 versions

[DOC] *Design and Implementation of a Network Layer for Distributed Programming Platforms

A Nelderud · 2000 · sics.se
... might be to use what the **operating system** or some ... Level 2: **Low priority**; **Level** 1:
Send when no ... as for larger applications performing various different **tasks**. ...
Cited by 1 - Related articles - View as HTML - Web Search - All 2 versions

Image forming apparatus

M Kurahashi, K Isemura · US Patent App. 10/503,562, 2003 · Google Patents
Page 1. US 20040096234A1 (19) United States (12) Patent Application Publication
(io> Pub. NO.: US 2004/0096234 AI Kurahashi et al. (43) Pub. ...
Web Search - All 2 versions

[PDF] *An Autonomous Navigational Mobile Robot

J Kraut · 2002 · worldminesweepernetwork.com
... over a rudimentary **operating system** that allows software to be developed for the
robot ... not in the individual creation of each one of the three **tasks**, but rather ...
Cited by 2 - Related articles - View as HTML - Web Search - All 2 versions

[PDF] *UNIVERSITA DEGLI STUDI DI UDINE

VP di Sistemi, O Multi-threading su MPSoC, G da ... · liacs.nl
... and uClinux is provided in [19], based on interrupt latency and **task** response time
tests ... We have developed a reliable method to add an **operating system** to each ...
Related articles - View as HTML - Web Search - All 5 versions

Electrical utility communications and control system
CK Luttrell - US Patent 7,274,305, 2007 - Google Patents
Page 1. US007274305B1 (12) United States Patent Luttrell (io) Patent No.: US
7,274,305 Bl (45) Date of Patent: Sep. 25, 2007 (54) ELECTRICAL ...
Web Search - All 2 versions

[PDF] °Biologically Inspired Methods for Organizing Distributed Services on Sensor Networks
T Heimfarth - 2007 - ubdok.uni-paderborn.de
... **tasks** like clock synchroniza- tion, data acquisition, signal processing and data
fusion. The traditional approach in this area is to provide **operating system** ...
Cited by 1 - Related articles - View as HTML - Web Search

System and method for consistent forwarding of packets across wireless and wireline networks
JW Miernik, A Garbuz - US Patent App. 10/365,752, 2003 - Google Patents
... 50 WIRELESS SERVING NODE **OPERATING SYSTEM** WIRELESS SERVING ... a relatively **low priority**
level for communicating ... a relatively **high priority level** for communicating ...
Related articles - Web Search - All 7 versions

[PDF] °TDT4290 at IDI/NTNU Group 2
F Sandholtbraten, J Gogstad, M Stokes, R Jensen, E ... - idi.ntnu.no
... 1 1.2 The **task** . . . . Details about the customer is presented
briefly in Section 2.2.2. 1.2 The **task** ...
Related articles - View as HTML - Web Search

Arbitration mechanism for assigning control of a communications path in a digital computer system
FC Bomba, WD Strecker, SR Jenkins - US Patent 4,787,033, 1988 - Google Patents
Page 1. United States Patent 4,787,033 [11] Patent Number: Bomba et al.
[45] Date of Patent: Nov. 22, 1988 [54] ARBITRATION MECHANISM ...
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Key authors: **P Krueger** - **R Chawla** - **F Chang** - **R Iyer** - **H Soga**

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